

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptaul53cxa

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Feb 24	PCTGEN now available on STN
NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
NEWS	9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS	25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS EXPRESS			April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may

result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:08:10 ON 16 JUL 2003

=> file caplus uspatful europatful japio medline biosis embase		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 18:08:51 ON 16 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 18:08:51 ON 16 JUL 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EUROPATFULL' ENTERED AT 18:08:51 ON 16 JUL 2003
COPYRIGHT (c) 2003 WILA Verlag Muenchen (WILA)

FILE 'JAPIO' ENTERED AT 18:08:51 ON 16 JUL 2003
COPYRIGHT (C) 2003 Japanese Patent Office (JPO)- JAPIO

FILE 'MEDLINE' ENTERED AT 18:08:51 ON 16 JUL 2003

FILE 'BIOSIS' ENTERED AT 18:08:51 ON 16 JUL 2003
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'EMBASE' ENTERED AT 18:08:51 ON 16 JUL 2003
COPYRIGHT (C) 2003 Elsevier Science B.V. All rights reserved.

=> s edible and (mucoadhes? or bucal? or bioadhes?)
L1 235 EDIBLE AND (MUCOADHES? OR BUCAL? OR BIOADHES?)

=> s l1 and (film form?)
3 FILES SEARCHED...
L2 37 L1 AND (FILM FORM?)

=> s l2 and maltodextrin
L3 12 L2 AND MALTODEXTRIN

=> s l3 and filler or ((microcrystalline cellulose) or wood or (magnesium carbonate) or calcium carbonate) or limestone or (magnesium carbonate) or (aluminum silicate) or clay or talc or (titanium dioxide) or (monocalcium phosphate) or (dicalcium phosphate) or (tricalcium phosphate))
UNMATCHED RIGHT PARENTHESIS 'PHOSPHATE))'
The number of right parentheses in a query must be equal to the number of left parentheses.

=> s l3 and filler or ((microcrystalline cellulose) or wood or (magnesium carbonate) or (calcium carbonate) or limestone or (magnesium carbonate) or (aluminum silicate) or clay or talc or (titanium dioxide) or (monocalcium phosphate) or (dicalcium phosphate) or (tricalcium phosphate))
4 FILES SEARCHED...

L4 986633 L3 AND FILLER OR ((MICROCRYSTALLINE CELLULOSE) OR WOOD OR (MAGNESIUM CARBONATE) OR (CALCIUM CARBONATE) OR LIMESTONE OR (MAGNESIUM CARBONATE) OR (ALUMINUM SILICATE) OR CLAY OR TALC OR (TITANIUM DIOXIDE) OR (MONOCALCIUM PHOSPHATE) OR (DICALCIUM PHOSPHATE) OR (TRICALCIUM PHOSPHATE))

=> s l3 and (filler or (microcrystalline cellulose) or wood or (magnesium carbonate) or (calcium carbonate) or limestone or (magnesium carbonate) or (aluminum silicate) or clay or talc or (titanium dioxide) or (monocalcium phosphate) or (dicalcium phosphate) or (tricalcium phosphate))

4 FILES SEARCHED...

L5 11 L3 AND (FILLER OR (MICROCRYSTALLINE CELLULOSE) OR WOOD OR (MAGNESIUM CARBONATE) OR (CALCIUM CARBONATE) OR LIMESTONE OR (MAGNESIUM CARBONATE) OR (ALUMINUM SILICATE) OR CLAY OR TALC OR (TITANIUM DIOXIDE) OR (MONOCALCIUM PHOSPHATE) OR (DICALCIUM PHOSPHATE) OR (TRICALCIUM PHOSPHATE))

=> s l5 and (hydrocolloid or (seaweed# or gum# or (plant exudate#) or (fiber extract#) or gelatin# or starch or cellulosic# or alginate# or (sodium alginate) or (calcium alginate) or carrageenan or guar or locust or tara or arabic or ghatti or agar or xnathan or pectin)

UNMATCHED LEFT PARENTHESIS 'AND (HYDROCOLLO'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s l5 and (hydrocolloid or (seaweed# or gum# or (plant exudate#) or (fiber extract#) or gelatin# or starch or cellulosic# or alginate# or (sodium alginate) or (calcium alginate) or carrageenan or guar or locust or tara or arabic or ghatti or agar or xnathan or pectin))

4 FILES SEARCHED...

L6 11 L5 AND (HYDROCOLLOID OR (SEAWEED# OR GUM# OR (PLANT EXUDATE#) OR (FIBER EXTRACT#) OR GELATIN# OR STARCH OR CELLULOSIC# OR ALGINATE# OR (SODIUM ALGINATE) OR (CALCIUM ALGINATE) OR CARRAGEENAN OR GUAR OR LOCUST OR TARA OR ARABIC OR GHATTI OR AGAR OR XNATHAN OR PECTIN))

=>

=> d l6 1-11 ibib ab

L6 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:222155 CAPLUS

DOCUMENT NUMBER: 138:242911

TITLE: **Edible film formulations**
containing **maltodextrin**

INVENTOR(S): Zyck, Daniel J.; Dzijsa, Michael R.; Chapdelaine, Albert H.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 7 pp., Cont.-in-part of U.S. Ser. No. 682,164.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003054039	A1	20030320	US 2002-44105	20020109
US 2003035841	A1	20030220	US 2001-682164	20010730
WO 2003011259	A1	20030213	WO 2002-US21591	20020709
WO 2003011259	C1	20030320		

W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 2001-682164 A2 20010730

US 2002-44105 A 20020109

AB Improved **edible** films for **mucoadhesion** are provided.
The films include at least three types **film forming**
agents other than pullulan, such as maltodextrins, hydrocolloids and
fillers. Preferably, the **maltodextrin** has a dextrose equiv. of
less than 20. Medicaments and other additive agents can also be
incorporated into the **edible** films. In this regard, the
edible films can be utilized to deliver or release the medicaments
into an oral cavity, such as a pH control agent, an oral care agent, a
breath freshening agent, a pharmaceutical agent, a nutraceutical, a
salivary stimulant, a vitamin, a mineral, an antimicrobial agent, an
anti-plaque agent, an anti-gingivitis agent, and a tartar or caries
control agent, thereby providing effective oral treatment with respect to,
for example, oral cleansing and breath freshening. For example, a film
was prepd. contg. **maltodextrin** 36.00%, **sodium**
alginate 22.15%, microcryst. cellulose 20.00%, glycerin 7.30%,
flavor 11.00%, lecithin 2.00%, sweetener 1.50%, and color 0.05%.

L6 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:117597 CAPLUS

DOCUMENT NUMBER: 138:158577

TITLE: Improved **edible film**

formulations containing **maltodextrin**

INVENTOR(S): Chapdelaine, Albert H.; Zyck, Daniel; Dzija, Michael
J.

PATENT ASSIGNEE(S): Wm. Wrigley Jr. Company, USA

SOURCE: PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003011259	A1	20030213	WO 2002-US21591	20020709
WO 2003011259	C1	20030320		
W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

US 2003035841 A1 20030220 US 2001-682164 20010730

US 2003054039 A1 20030320 US 2002-44105 20020109

PRIORITY APPLN. INFO.:

US 2001-682164 A 20010730

US 2002-44105 A 20020109

AB Improved **edible** films for **mucoadhesion** are provided.

The films include at least three types **film forming**
agents other than pullulan, such as maltodextrins, hydrocolloids and
fillers. Preferably, the **maltodextrin** has a dextrose equiv. of
less than 20. Medicaments and other additive agents can also be
incorporated into the **edible** films. In this regard, the
edible films can be utilized to deliver or release the medicaments
into an oral cavity, thereby providing effective oral treatment with
respect to, for example, oral cleansing and breath freshening. For

example, a film for oral hygiene was prepd. contg. **maltodextrin** 25.95%, **sodium alginate** 22.50%, microcryst. cellulose 25.75%, glycerin 12.25%, menthol 1.00%, chlorhexidine 1.85%, flavor 9.40%, sweetener 1.25%, and color 0.05%.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 11 USPATFULL

ACCESSION NUMBER: 2003:113776 USPATFULL

TITLE: In vivo delivery methods and compositions

INVENTOR(S): Kensey, Kenneth, Malvern, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003078517	A1	20030424
APPLICATION INFO.:	US 2001-839785	A1	20010420 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-819924, filed on 28 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2000-727950, filed on 1 Dec 2000, ABANDONED Continuation-in-part of Ser. No. US 2000-628401, filed on 1 Aug 2000, PENDING Continuation-in-part of Ser. No. US 2000-501856, filed on 10 Feb 2000, GRANTED, Pat. No. US 6322525 Continuation-in-part of Ser. No. US 1999-439795, filed on 12 Nov 1999, GRANTED, Pat. No. US 6322524 Continuation-in-part of Ser. No. US 1997-919906, filed on 28 Aug 1997, GRANTED, Pat. No. US 6019735		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	CAESAR, RIVISE, BERNSTEIN,, COHEN & POKOTILOW, LTD., 12TH FLOOR, SEVEN PENN CENTER, 1635 MARKET STREET, PHILADELPHIA, PA, 19103-2212		
NUMBER OF CLAIMS:	36		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	19 Drawing Page(s)		
LINE COUNT:	2736		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB Various methods are provided for determining and utilizing the viscosity of the circulating blood of a living being over a range of shear rates for diagnostics and treatment, such as detecting/reducing blood viscosity, work of the heart, contractility of the heart, for detecting/reducing the surface tension of the blood, for detecting plasma viscosity, for explaining/countering endothelial cell dysfunction, for providing high and low blood vessel wall shear stress data, red blood cell deformability data, lubricity of blood, and for treating different ailments such as peripheral arterial disease in combination with administering to a living being at least one pharmaceutically acceptable agent. Agents pharmaceutically effective to regulate at least one of the aforementioned blood parameters are used to adjust distribution of a substance through the bloodstream.

L6 ANSWER 4 OF 11 USPATFULL

ACCESSION NUMBER: 2003:78119 USPATFULL

TITLE: **Edible film formulations**
containing **maltodextrin**

INVENTOR(S): Zyck, Daniel J., North Riverside, IL, UNITED STATES
Dzija, Michael R., LaGrange Park, IL, UNITED STATES
Chapdelaine, Albert H., Naperville, IL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003054039	A1	20030320

APPLICATION INFO.: US 2002-44105 A1 20020109 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-682164, filed
on 30 Jul 2001, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BELL, BOYD & LLOYD LLC, P. O. BOX 1135, CHICAGO, IL,
60690-1135
NUMBER OF CLAIMS: 34
EXEMPLARY CLAIM: 1
LINE COUNT: 569
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved **edible** films for **mucoadhesion** are provided.
The films include at least three types **film forming**
agents other than pullulan, such as maltodextrins, hydrocolloids and
fillers. Preferably, the **maltodextrin** has a dextrose
equivalent of less than 20. Medicaments and other additive agents can
also be incorporated into the **edible** films. In this regard,
the **edible** films can be utilized to deliver or release the
medicaments into an oral cavity, thereby providing effective oral
treatment with respect to, for example, oral cleansing and breath
freshening.

L6 ANSWER 5 OF 11 USPATFULL

ACCESSION NUMBER: 2003:50885 USPATFULL
TITLE: **Edible film formulations**
containing **maltodextrin**
INVENTOR(S): Dzija, Michael R., LaGrange Park, IL, UNITED STATES
Barkalow, David G., Deerfield, IL, UNITED STATES
Chapdelaine, Albert H., Naperville, IL, UNITED STATES
Zyck, Daniel J., North Riverside, IL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003035841	A1	20030220
APPLICATION INFO.:	US 2001-682164	A1	20010730 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	BELL, BOYD & LLOYD LLC, P. O. BOX 1135, CHICAGO, IL, 60690-1135		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	424		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved **edible** films for **mucoadhesion** are provided.
The films include at least three types **film forming**
agents other than pullulan, such as ~~maltodextrins, hydrocolloids and~~
fillers. Medicaments and other additive agents can also be incorporated
into the **edible** films. In this regard, the **edible**
films can be utilized to deliver or release the medicaments into an oral
cavity, thereby providing effective oral treatment with respect to, for
example, oral cleansing and breath freshening.

L6 ANSWER 6 OF 11 USPATFULL

ACCESSION NUMBER: 2003:30963 USPATFULL
TITLE: Rapid-onset medicament for treatment of sexual
dysfunction
INVENTOR(S): Martino, Alice C., Kalamazoo, MI, UNITED STATES
McCurdy, Vincent E., Portage, MI, UNITED STATES
Pierman, Steven A., Portage, MI, UNITED STATES
Reo, Joseph P., Kalamazoo, MI, UNITED STATES
Tyle, Praveen, Kalamazoo, MI, UNITED STATES
Wu, Sy-Juen, Portage, MI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003022912	A1	20030130
APPLICATION INFO.:	US 2002-72368	A1	20020207 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-267519P	20010208 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Pharmacia Corporation, Corporate Patent Department, 800 N. Lindbergh Boulevard-04B, St. Louis, MO, 63167	
NUMBER OF CLAIMS:	42	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	1575	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A rapid-onset pharmaceutical composition is provided, useful for treatment of sexual dysfunction, stimulation of sexual activity and enhancement of sexual desire, interest and performance in men and women. The composition is a dosage form comprising (a) a therapeutically or sexual-stimulatorily effective amount of a therapeutic agent having a molecular weight, excluding counterions, not greater than 250, and (b) at least one pharmaceutically acceptable excipient; and is adapted for delivery by a route of administration that entails interaction with the organs of taste yet has acceptable organoleptic properties. Illustrative therapeutic agents useful in dosage forms of the invention are compounds having the formula ##STR1##

wherein X is O or S; and pharmaceutically acceptable salts thereof.

L6 ANSWER 7 OF 11 USPATFULL

ACCESSION NUMBER: 2002:54986 USPATFULL
 TITLE: In vivo delivery methods and compositions
 INVENTOR(S): Kensey, Kenneth, Malvern, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002032149	A1	20020314
APPLICATION INFO.:	US 2001-841389	A1	20010424 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-819924, filed on 28 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2000-727950, filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. US 2000-628401, filed on 1 Aug 2000, PENDING Continuation-in-part of Ser. No. US 2000-501856, filed on 10 Feb 2000, GRANTED, Pat. No. US 6322525 Continuation-in-part of Ser. No. US 1999-439795, filed on 12 Nov 1999, GRANTED, Pat. No. US 6322524 Continuation-in-part of Ser. No. US 1997-919906, filed on 28 Aug 1997, GRANTED, Pat. No. US 6019735		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	CAESAR, RIVISE, BERNSTEIN,, COHEN & POKOTILOV, LTD., 12TH FLOOR, SEVEN PENN CENTER, 1635 MARKET STREET, PHILADELPHIA, PA, 19103-2212		
NUMBER OF CLAIMS:	36		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	19 Drawing Page(s)		
LINE COUNT:	2747		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Various methods are provided for determining and utilizing the viscosity of the circulating blood of a living being over a range of shear rates for diagnostics and treatment, such as detecting/reducing blood viscosity, work of the heart, contractility of the heart, for detecting/reducing the surface tension of the blood, for detecting plasma viscosity, for explaining/countering endothelial cell dysfunction, for providing high and low blood vessel wall shear stress data, red blood cell deformability data, lubricity of blood, and for treating different ailments such as peripheral arterial disease in combination with administering to a living being at least one pharmaceutically acceptable agent. Agents pharmaceutically effective to regulate at least one of the aforementioned blood parameters are used to adjust distribution of a substance through the bloodstream.

L6 ANSWER 8 OF 11 USPATFULL

ACCESSION NUMBER: 91:36242 USPATFULL
TITLE: Taste masking compositions comprising spray dried microcapsules containing sucralfate and methods for preparing same
INVENTOR(S): Tai, Anna W., Bridgewater, NJ, United States
PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5013557		19910507
APPLICATION INFO.:	US 1989-416630		19891003 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
LEGAL REPRESENTATIVE:	Gaglia, Jr., Charles A.		
NUMBER OF CLAIMS:	47		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1557		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention pertains to spray dried spheroidal microcapsules under about 150 microns in diameter which comprise in percentages by weight of the microcapsule composition (a) sucralfate present in an amount from about 1% to about 70%, and (b) a polymer soluble in the gastric fluids present in an amount from about 30% to about 99%. In another embodiment, the invention is directed at a taste masking composition which comprises a therapeutically effective amount of a spray dried spheroidal microcapsule core under about 150 microns in diameter and a matrix over the core wherein the taste masking composition comprises (A) a microcapsule core comprising in percentages by weight of the core composition (a) sucralfate present in an amount from about 1% to about 70%, and (b) a polymer soluble in the gastric fluids present in an amount from about 30% to about 99%; and (B) a matrix over the core comprising in percentages by weight of the matrix composition (a) a bulking agent present in an amount up to about 99.9%, and (b) a lubricating agent present in an amount from about 0.1% to about 7%.

L6 ANSWER 9 OF 11 USPATFULL

ACCESSION NUMBER: 91:26470 USPATFULL
TITLE: Multiple encapsulated flavor delivery system and method of preparation
INVENTOR(S): Cherukuri, Subraman R., Towaco, NJ, United States
Chau, Tommy L., Bridgewater, NJ, United States
Raman, Krishna P., Randolph, NJ, United States
Orama, Angel M., Stanhope, NJ, United States

PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5004595		19910402
APPLICATION INFO.:	US 1990-503331		19900330 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-452660, filed on 18 Dec 1989 which is a continuation-in-part of Ser. No. US 1989-329742, filed on 28 Mar 1989, now patented, Pat. No. US 4933190 which is a continuation-in-part of Ser. No. US 1986-945743, filed on 23 Dec 1986		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hunter, Jeanette		
LEGAL REPRESENTATIVE:	Scola, Jr., Daniel A., Bullitt, Richard S.		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	890		

AB A free-flowing particulate delivery system for providing enhanced flavor and sweetness to comestible compositions comprising a powdered flavor composition encapsulated in a matrix comprising an outer hydrophilic coating containing up to the solubility limit of the coating of an intense sweetener. The delivery system is particularly useful in chewing **gums**, confectioneries and pharmaceutical preparations as well as other food products.

L6 ANSWER 10 OF 11 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 453397 EUROPATFULL EW 199143 FS OS STA B
TITLE: Multiple encapsulated flavor delivery system and method of preparation.
Mehrfaches eingekapseltes Aromastoff-Freigabesystem und Verfahren zur Herstellung.
Systeme de liberation d'aromes a encapsulation multiple et procede de fabrication.

INVENTOR(S): Cherukuri, Subraman Rao, 10 Jean Drive, Towaco, New Jersey 07082, US;
Chau, Tommy Linkwong, 3 Dartmouth Avenue, 3A, Bridgewater, New Jersey 08807, US;
Raman, Krishna P., 5 Marre Drive, Randolph, New Jersey 07869, US;
Orama, Angel Manuel, 19 Elizabeth Avenue, Stanhope, New Jersey 07874, US

PATENT ASSIGNEE(S): WARNER-LAMBERT COMPANY, 201 Tabor Road, Morris Plains New Jersey 07950, US

PATENT ASSIGNEE NO: 228290

AGENT: Silbiger, Jakob, Dr., c/o CAPSUGEL AG Fabrikmattenweg 2-4, CH-4144 Arlesheim, CH

AGENT NUMBER: 26891

OTHER SOURCE: ESP1991079 EP 0453397 A1 911023

SOURCE: Wila-EPZ-1991-H43-T3

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R NL; R SE

PATENT INFO.PUB.TYPE: EPAL EUROPAEISCHE PATENTANMELDUNG

PATENT INFORMATION:

PATENT NO	KIND	DATE
-----------	------	------

	EP 453397	A1 19911023
'OFFENLEGUNGS' DATE:		19911023
APPLICATION INFO.:	EP 1991-810211	19910325
PRIORITY APPLN. INFO.:	US 1990-503331	19900330

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 453397 EUROPATFULL EW 199503 FS PS STA B
 TITLE: Multiple encapsulated flavor delivery system and method of preparation.
 Mehrfaches eingekapseltes Aromastoff-Freigabesystem und Verfahren zur Herstellung.
 Systeme de liberation d'aromes a encapsulation multiple et procede de fabrication.
 INVENTOR(S): Cherukuri, Subraman Rao, 10 Jean Drive, Towaco, New Jersey 07082, US;
 Chau, Tommy Linkwong, 3 Dartmouth Avenue, 3A, Bridgewater, New Jersey 08807, US;
 Raman, Krishna P., 5 Marre Drive, Randolph, New Jersey 07869, US;
 Orama, Angel Manuel, 19 Elizabeth Avenue, Stanhope, New Jersey 07874, US
 PATENT ASSIGNEE(S): WARNER-LAMBERT COMPANY, 201 Tabor Road, Morris Plains New Jersey 07950, US
 PATENT ASSIGNEE NO: 228290
 AGENT: Tesch, Rudolf et al, c/o Goedecke AG, Patentwesen, D-79090 Freiburg, DE
 AGENT NUMBER: 69431
 OTHER SOURCE: EPB1995005 EP 0453397 B1 950118
 SOURCE: Wila-EPS-1995-H03-T3
 DOCUMENT TYPE: Patent
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
 DESIGNATED STATES: R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R NL; R SE
 PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT
 PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 453397	B1	19950118
		19911023
EP 1991-810211		19910325
US 1990-503331		19900330
EP 272220 A	EP 273009 A	
US 3985913 A	US 4001438 A	

ABEN A free-flowing particulate delivery system for providing enhanced flavor and sweetness to comestible compositions comprising a powdered flavor composition encapsulated in a matrix comprising an outer hydrophilic coating containing up to the solubility limit of the coating of an intense sweetener. The delivery system is particularly useful in chewing gums, confectioneries and pharmaceutical preparations as well as other food products.

L6 ANSWER 11 OF 11 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 426428 EUROPATFULL EW 199119 FS OS STA B
 TITLE: Encapsulated sweetener-flavour delivery system, and its production.
 Eingekapseltes Geschmacks-Suessstofffreigabesystem und

seine Zubereitung.
Systeme de liberation d'edulcorant-arome encapsule et sa fabrication.

INVENTOR(S): Cherukuri, Subraman Rao, 10 Jean Drive, Towaco, New Jersey 07082, US;
Chau, Tommy Limkwong, 3 Dartmouth Avenue 3A, Bridgewater, NJ 08807, US;
Raman, Krishna P., 5 Marre Drive, Randolph, New Jersey 07869, US;
Orama, Angel Manual, 19 Elizabeth Avenue, Stanhope, New Jersey 07874, US
PATENT ASSIGNEE(S): WARNER-LAMBERT COMPANY, 201 Tabor Road, Morris Plains New Jersey 07950, US
PATENT ASSIGNEE NO: 228290
AGENT: Jones, Michael Raymond et al, HASELTINE LAKE & CO. Hazlitt House 28 Southampton Buildings Chancery Lane, London WC2A 1AT, GB
AGENT NUMBER: 32461
OTHER SOURCE: ESP1991035 EP 0426428 A1 910508
SOURCE: Wila-EPZ-1991-H19-T3
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R NL; R SE
PATENT INFO.PUB.TYPE: EPAL EUROPAEISCHE PATENTANMELDUNG
PATENT INFORMATION:

PATENT.NO	KIND	DATE
EP 426428	A1	19910508
		19910508
EP 1990-311869		19901030
US 1989-429576		19891031

'OFFENLEGUNGS' DATE:

APPLICATION INFO.: EP 1990-311869 19901030
PRIORITY APPLN. INFO.: US 1989-429576 19891031

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 426428 . EUROPATFULL EW 199332 FS PS STA B
TITLE: Encapsulated sweetener-flavour delivery system, and its production.
Eingekapseltes Geschmacks-Suess-Stofffreigabesystem und seine Zubereitung.
Systeme de liberation d'edulcorant-arome encapsule et sa fabrication.
INVENTOR(S): Cherukuri, Subraman Rao, 10 Jean Drive, Towaco, New Jersey 07082, US;
Chau, Tommy Limkwong, 3 Dartmouth Avenue 3A, Bridgewater, NJ 08807, US;
Raman, Krishna P., 5 Marre Drive, Randolph, New Jersey 07869, US;
Orama, Angel Manual, 19 Elizabeth Avenue, Stanhope, New Jersey 07874, US
PATENT ASSIGNEE(S): WARNER-LAMBERT COMPANY, 201 Tabor Road, Morris Plains New Jersey 07950, US
PATENT ASSIGNEE NO: 228290
AGENT: Jones, Michael Raymond et al, HASELTINE LAKE & CO. Hazlitt House 28 Southampton Buildings Chancery Lane, London WC2A 1AT, GB
AGENT NUMBER: 32461
OTHER SOURCE: EPB1993040 EP 0426428 B1 930811
SOURCE: Wila-EPS-1993-H32-T3
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R

LI; R NL; R SE
PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENT SCHRIFT
PATENT INFORMATION:

	PATENT NO	KIND	DATE
	EP 426428	B1	19930811
'OFFENLEGUNGS' DATE:			19910508
APPLICATION INFO.:	EP 1990-311869		19901030
PRIORITY APPLN. INFO.:	US 1989-429576		19891031
REFERENCE PAT. INFO.:	EP 202819 A	EP	314626 A
	US 3949096 A	US	4276312 A
	US 4386106 A		

ABEN A flavour delivery system is disclosed, offering a combination of improved properties including improved flavour intensity with reduced bitterness, together with improved flavour extension and release characteristics when incorporated into chewing **gums** and other products, comprises an emulsion of a liquid flavour, preferably a flavour oil, a sweetener, and a **film-forming** polymer coating component; wherein the sweetener and the **film-forming** polymer coating are combined and define a first aqueous solution mixture, the first aqueous solution mixture and the flavour component are combined to define a second aqueous solution mixture, and the emulsion is prepared from the second aqueous solution mixture. The present delivery system finds use in comestibles such as chewing **gum** compositions and other food products, pharmaceuticals, and scratch-and-sniff and aroma packaging products. The delivery system can be prepared in particulate form by spray drying.

AB Various methods are provided for determining and utilizing the viscosity of the circulating blood of a living being over a range of shear rates for diagnostics and treatment, such as detecting/reducing blood viscosity, work of the heart, contractility of the heart, for detecting/reducing the surface tension of the blood, for detecting plasma viscosity, for explaining/countering endothelial cell dysfunction, for providing high and low blood vessel wall shear stress data, red blood cell deformability data, lubricity of blood, and for treating different ailments such as peripheral arterial disease in combination with administering to a living being at least one pharmaceutically acceptable agent. Agents pharmaceutically effective to regulate at least one of the aforementioned blood parameters are used to adjust distribution of a substance through the bloodstream.

L6 ANSWER 8 OF 11 USPATFULL

ACCESSION NUMBER: 91:36242 USPATFULL

TITLE: Taste masking compositions comprising spray dried microcapsules containing sucralfate and methods for preparing same

INVENTOR(S): Tai, Anna W., Bridgewater, NJ, United States

PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5013557		19910507
APPLICATION INFO.:	US 1989-416630		19891003 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
LEGAL REPRESENTATIVE:	Gaglia, Jr., Charles A.		
NUMBER OF CLAIMS:	47		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1557		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention pertains to spray dried spheroidal microcapsules under about 150 microns in diameter which comprise in percentages by weight of the microcapsule composition (a) sucralfate present in an amount from about 1% to about 70%, and (b) a polymer soluble in the gastric fluids present in an amount from about 30% to about 99%. In another embodiment, the invention is directed at a taste masking composition which comprises a therapeutically effective amount of a spray dried spheroidal microcapsule core under about 150 microns in diameter and a matrix over the core wherein the taste masking composition comprises (A) a microcapsule core comprising in percentages by weight of the core composition (a) sucralfate present in an amount from about 1% to about 70%, and (b) a polymer soluble in the gastric fluids present in an amount from about 30% to about 99%; and (B) a matrix over the core comprising in percentages by weight of the matrix composition (a) a bulking agent present in an amount up to about 99.9%, and (b) a lubricating agent present in an amount from about 0.1% to about 7%.

L6 ANSWER 9 OF 11 USPATFULL

ACCESSION NUMBER: 91:26470 USPATFULL

TITLE: Multiple encapsulated flavor delivery system and method of preparation

INVENTOR(S): Cherukuri, Subraman R., Towaco, NJ, United States
Chau, Tommy L., Bridgewater, NJ, United States
Raman, Krishna P., Randolph, NJ, United States
Orama, Angel M., Stanhope, NJ, United States

PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5004595		19910402
APPLICATION INFO.:	US 1990-503331		19900330 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-452660, filed on 18 Dec 1989 which is a continuation-in-part of Ser. No. US 1989-329742, filed on 28 Mar 1989, now patented, Pat. No. US 4933190 which is a continuation-in-part of Ser. No. US 1986-945743, filed on 23 Dec 1986		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hunter, Jeanette		
LEGAL REPRESENTATIVE:	Scola, Jr., Daniel A., Bullitt, Richard S.		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	890		

AB A free-flowing particulate delivery system for providing enhanced flavor and sweetness to comestible compositions comprising a powdered flavor composition encapsulated in a matrix comprising an outer hydrophilic coating containing up to the solubility limit of the coating of an intense sweetener. The delivery system is particularly useful in chewing **gums**, confectioneries and pharmaceutical preparations as well as other food products.

L6 ANSWER 10 OF 11 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 453397 EUROPATFULL EW 199143 FS OS STA B
TITLE: Multiple encapsulated flavor delivery system and method of preparation.

Mehrfaches eingekapseltes Aromastoff-Freigabesystem und Verfahren zur Herstellung.
Systeme de liberation d'aromes a encapsulation multiple et procede de fabrication.

INVENTOR(S): Cherukuri, Subraman Rao, 10 Jean Drive, Towaco, New Jersey 07082, US;
Chau, Tommy Linkwong, 3 Dartmouth Avenue, 3A, Bridgewater, New Jersey 08807, US;
Raman, Krishna P., 5 Marre Drive, Randolph, New Jersey 07869, US;
Orama, Angel Manuel, 19 Elizabeth Avenue, Stanhope, New Jersey 07874, US

PATENT ASSIGNEE(S): WARNER-LAMBERT COMPANY, 201 Tabor Road, Morris Plains New Jersey 07950, US

PATENT ASSIGNEE NO: 228290
AGENT: Silbiger, Jakob, Dr.; c/o CAPSUGEL AG Fabrikmattenweg 2-4, CH-4144 Arlesheim, CH

AGENT NUMBER: 26891
OTHER SOURCE: ESP1991079 EP 0453397 A1 911023
SOURCE: Wila-EPZ-1991-H43-T3

DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R NL; R SE

PATENT INFO.PUB.TYPE: EPAL EUROPAEISCHE PATENTANMELDUNG

PATENT INFORMATION: PATENT NO KIND DATE

	EP 453397	A1 19911023
'OFFENLEGUNGS' DATE:		19911023
APPLICATION INFO.:	EP 1991-810211	19910325
PRIORITY APPLN. INFO.:	US 1990-503331	19900330

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 453397 EUROPATFULL EW 199503 FS PS STA B
 TITLE: Multiple encapsulated flavor delivery system and method of preparation.
 Mehrfaches eingekapseltes Aromastoff-Freigabesystem und Verfahren zur Herstellung.
 Systeme de liberation d'aromes a encapsulation multiple et procede de fabrication.
 INVENTOR(S): Cherukuri, Subraman Rao, 10 Jean Drive, Towaco, New Jersey 07082, US;
 Chau, Tommy Linkwong, 3 Dartmouth Avenue, 3A, Bridgewater, New Jersey 08807, US;
 Raman, Krishna P., 5 Marre Drive, Randolph, New Jersey 07869, US;
 Orama, Angel Manuel, 19 Elizabeth Avenue, Stanhope, New Jersey 07874, US
 PATENT ASSIGNEE(S): WARNER-LAMBERT COMPANY, 201 Tabor Road, Morris Plains New Jersey 07950, US
 PATENT ASSIGNEE NO: 228290
 AGENT: Tesch, Rudolf et al, c/o Goedecke AG, Patentwesen, D-79090 Freiburg, DE
 AGENT NUMBER: 69431
 OTHER SOURCE: EPB1995005 EP 0453397 B1 950118
 SOURCE: Wila-EPS-1995-H03-T3
 DOCUMENT TYPE: Patent
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
 DESIGNATED STATES: R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R NL; R SE
 PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT
 PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 453397	B1	19950118
		19911023
		19910325
		19900330
EP 272220	A	EP 273009
US 3985913	A	US 4001438

ABEN A free-flowing particulate delivery system for providing enhanced flavor and sweetness to comestible compositions comprising a powdered flavor composition encapsulated in a matrix comprising an outer hydrophilic coating containing up to the solubility limit of the coating of an intense sweetener. The delivery system is particularly useful in chewing gums, confectioneries and pharmaceutical preparations as well as other food products.

L6 ANSWER 11 OF 11 EUROPATFULL COPYRIGHT 2003 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 426428 EUROPATFULL EW 199119 FS OS STA B
 TITLE: Encapsulated sweetener-flavour delivery system, and its production.
 Einkapseltes Geschmacks-Suessstofffreigabesystem und

seine Zubereitung.
 Systeme de liberation d'edulcorant-arome encapsule et sa fabrication.

INVENTOR(S): Cherukuri, Subraman Rao, 10 Jean Drive, Towaco, New Jersey 07082, US;
 Chau, Tommy Limkwong, 3 Dartmouth Avenue 3A, Bridgewater, NJ 08807, US;
 Raman, Krishna P., 5 Marre Drive, Randolph, New Jersey 07869, US;
 Orama, Angel Manual, 19 Elizabeth Avenue, Stanhope, New Jersey 07874, US

PATENT ASSIGNEE(S): WARNER-LAMBERT COMPANY, 201 Tabor Road, Morris Plains New Jersey 07950, US

PATENT ASSIGNEE NO: 228290

AGENT: Jones, Michael Raymond et al, HASELTINE LAKE & CO. Hazlitt House 28 Southampton Buildings Chancery Lane, London WC2A 1AT, GB

AGENT NUMBER: 32461

OTHER SOURCE: ESP1991035 EP 0426428 A1 910508

SOURCE: Wila-EPZ-1991-H19-T3

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R NL; R SE

PATENT INFO.PUB.TYPE: EPA1 EUROPAEISCHE PATENTANMELDUNG

PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 426428	A1 19910508
'OFFENLEGUNGS' DATE:		19910508
APPLICATION INFO.:	EP 1990-311869	19901030
PRIORITY APPLN. INFO.:	US 1989-429576	19891031

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 426428 EUROPATFULL EW 199332 FS PS STA B

TITLE: Encapsulated sweetener-flavour delivery system, and its production.
 Einkapseltes Geschmacks-Suess-Stofffreigabesystem und seine Zubereitung.
 Systeme de liberation d'edulcorant-arome encapsule et sa fabrication.

INVENTOR(S): Cherukuri, Subraman Rao, 10 Jean Drive, Towaco, New Jersey 07082, US;
 Chau, Tommy Limkwong, 3 Dartmouth Avenue 3A, Bridgewater, NJ 08807, US;
 Raman, Krishna P., 5 Marre Drive, Randolph, New Jersey 07869, US;
 Orama, Angel Manual, 19 Elizabeth Avenue, Stanhope, New Jersey 07874, US

PATENT ASSIGNEE(S): WARNER-LAMBERT COMPANY, 201 Tabor Road, Morris Plains New Jersey 07950, US

PATENT ASSIGNEE NO: 228290

AGENT: Jones, Michael Raymond et al, HASELTINE LAKE & CO. Hazlitt House 28 Southampton Buildings Chancery Lane, London WC2A 1AT, GB

AGENT NUMBER: 32461

OTHER SOURCE: EPB1993040 EP 0426428 B1 930811

SOURCE: Wila-EPS-1993-H32-T3

DOCUMENT TYPE: Patent

LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch

DESIGNATED STATES: R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R

LI; R NL; R SE

PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT

PATENT INFORMATION:

PATENT NO KIND DATE

EP 426428 B1 19930811

19910508

'OFFENLEGUNGS' DATE:

APPLICATION INFO.: EP 1990-311869

19901030

PRIORITY APPLN. INFO.: US 1989-429576

19891031

REFERENCE PAT. INFO.: EP 202819 A

EP 314626 A

US 3949096 A

US 4276312 A

US 4386106 A

ABEN A flavour delivery system is disclosed, offering a combination of improved properties including improved flavour intensity with reduced bitterness, together with improved flavour extension and release characteristics when incorporated into chewing **gums** and other products, comprises an emulsion of a liquid flavour, preferably a flavour oil, a sweetener, and a **film-forming** polymer coating component; wherein the sweetener and the **film-forming** polymer coating are combined and define a first aqueous solution mixture, the first aqueous solution mixture and the flavour component are combined to define a second aqueous solution mixture, and the emulsion is prepared from the second aqueous solution mixture. The present delivery system finds use in comestibles such as chewing **gum** compositions and other food products, pharmaceuticals, and scratch-and-sniff and aroma packaging products. The delivery system can be prepared in particulate form by spray drying.

=>